



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 12, 2024

Olivia Watson  
owatson@thorsp.com  
THOR GMBH

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Update to label directions for use.  
Product Name: ACTICIDE MBL  
Admin Number: 67071-46  
EPA Receipt Date: 05/27/2021  
Action Case Number: 00303343

Dear Olivia Watson:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Steven Snyderman via email at [snyderman.steven@epa.gov](mailto:snyderman.steven@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The script is elegant and cursive, with the first letters of "Steven" and "Snyderman" being capitalized and prominent.

Steven Snyderman, Product Manager, Team 33  
RMB 2, AD  
Office of Pesticide Programs

# ACTICIDE® MBL



## ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

## PHYSICAL AND CHEMICAL HAZARD:

This product is corrosive to mild steel. Materials to be avoided: reducing agents, oxidizing agents, and nucleophiles.

## STORAGE AND DISPOSAL

**Prohibitions:** This product is corrosive to mild steel. Do not store in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: [For containers < 5 gallons in size] – Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. [For containers > 5 gallons in size] - Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

## Active Ingredients:

2-Bromo-2-nitro-1,3-propanediol.....	8.00%
1,2-Benzisothiazolin-3-one .....	2.50%
2-Methyl-4-isothiazolin-3-one.....	2.50%
Inert Ingredients: .....	87.00%
Total:.....	100.00%

ACTICIDE® MBL microbiocide weighs 8.9 lb. per gallon.

## KEEP OUT OF REACH OF CHILDREN DANGER

See Side panel for additional precautionary statements  
**FIRST AID**

### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**EPA Reg. No. 67071-46 EPA Est. No. 67071-DEU-001**

Manufactured By/For: Thor GmbH  
D-67346 Speyer, Germany

U.S. Office: Thor Specialties, Inc.  
50 Waterview Drive; Shelton, CT 06484 USA  
Tel. (203) 516-6980

[OR: **EPA Est. No. 67071-MEX-001**  
Manufactured By: Thor Químicos de México SA de CV;  
Autopista Mex-Qro Km 182; Pedro Escobedo,  
Querétaro; México.  
Manufactured For: Thor GmbH  
U.S. Office: Thor Specialties, Inc.  
50 Waterview Drive, Shelton, CT 06484 USA  
Tel. (203) 516-6980]

## Precautionary Statements: Hazards to Humans and Domestic Animals

**CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. DO NOT GET IN EYES, ON SKIN, OR, ON CLOTHING.** Wear goggles, face shield or safety glasses. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical resistant footwear and chemical resistant gloves made of barrier laminate, butyl or nitrile rubber or viton. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**User Safety Requirements:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Do not apply this product in a way that will contact workers or other persons.

**User Safety Recommendations:** User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

## DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

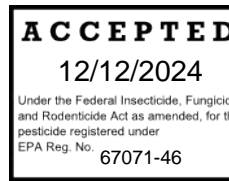
Industrial microbiocide for use as a materials preservative for aqueous products, [\*]animal hides and [\*]leather, [\*]industrial water systems.

READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

[\*Not a use registered by California]

### CONDITIONS OF SALE AND WARRANTY

Thor GmbH warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. THOR GMBH MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thor GmbH and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THOR GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.



<b>Batch:</b>	<b>Mfg Date:</b>	<b>Net Contents (pounds): (gallons):</b>
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# ACTICIDE® MBL INFORMATION SHEET



**THIS ACTICIDE® MBL INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF  
ACTICIDE® MBL**

## **DIRECTIONS FOR USE**

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<b>PRESERVATIVE FOR LATICES:</b> ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in the manufacture and storage of synthetic and natural polymer latices including: acrylics, styrene-butadiene, carboxylated styrene-butadiene, ethylene-vinyl acetate and biopolymers intended for industrial use such as xanthan gum, gum arabic, guar gum, protein derived polymers, starches and casein derived polymers including latices for paper and paperboard.	<b>0.05% - 0.5%</b> Add 0.05 – 0.5 lbs per 100 lbs latex.
<b>PRESERVATIVE FOR PAINTS AND COATINGS:</b> ACTICIDE® MBL microbiocide is recommended as an in-container preservative for the control of microorganisms in water based coatings such as paper and wood coatings and paints used for architectural product finishes and special purpose coatings. *Special purpose coating uses: Include use as a: <> *preservative for electrodeposition paints or solutions, <> preservative for photoplatin solutions or coatings, <> preservative in fount (or fountain) solutions used in the printing process as a maintenance fluid/coating and as a special coating for printing plates, and <> preservative in spin finish coatings for fibers. The application/addition directions for these special purpose coating uses are: <b>[*]ELECTRODEPOSITION</b> ACTICIDE® MBL microbiocide is recommended as a tankside additive for the control of microorganisms in re-circulating electrodeposition systems and associated rinse systems. Alternately, ACTICIDE® MBL microbiocide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system. <b>Tankside Addition to Electrodeposition Systems:</b> ACTICIDE® MBL microbiocide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to insure uniform mixing. When the system is noticeably fouled, add up to 1.0% (w/v) ACTICIDE® MBL microbiocide based on the total gallons of fluid in the system (1.0 lbs per 100 gallons). Repeat until control is achieved. When microbial control is evident, add up to 1.0% (w/v) ACTICIDE® MBL based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 100 gallons) weekly or as needed to maintain the system. A change of frequency of	<b>0.05% - 0.5%</b> Add 0.05 – 0.5 lbs per 100 lbs of formulated product

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<p>treatment may be required depending on the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.</p> <p><i>[*Not a use registered by California]</i></p> <p><b>[*]TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS</b></p> <p><b>Initial Dose of Paint Components:</b> ACTICIDE® MBL microbiocide should be added to the resin, pigment, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain no more than 500 ppm isothiazolones.</p> <p><b>Supplemental Tanked Dosing of Electrodeposition System:</b> If additional microbial control is necessary, ACTICIDE® MBL microbiocide may be added to the electrodeposition system tankside to supplement the microbiocide incorporated through paint components. If the system becomes noticeably fouled, add up to 1.0% (w/v) ACTICIDE® MBL microbiocide based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 100 gallons). Repeat until control is achieved. When microbial control is evident, the system can be maintained by addition of up to 1.0% (w/v) ACTICIDE® MBL microbiocide based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 100 gallons) weekly or as needed.</p> <p><i>[*Not a use registered by California]</i></p>	
<p><b>[*]PHOTOPLATE PROCESSING, PHOTO PROCESSING, FOUNTAIN SOLUTIONS, AND INK/INK COMPONENTS</b></p> <p>ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in photoplate processing such as stabilizer solutions and in fountain solutions. ACTICIDE® MBL microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners. ACTICIDE® MBL microbiocide should be added to achieve the recommended dosage range for ink, ink components, fountain solutions and photoplate processing chemicals of 0.05% to 1.0% on a total weight basis (0.05 to 1.0 lbs ACTICIDE® MBL per 100 lbs product). The optimum level range for acidic fountain solutions is 0.05% to 0.5%; the optimum level range for neutral fountain solutions is 0.05% to 0.8% (0.05</p>	<p><b>0.05% to 1.0%</b></p> <p>Add 0.05 - 1.0 lbs per 100 lbs product</p>

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<p>to 0.8 lbs ACTICIDE® MBL per 100 lbs solution). A level adjustment may be necessary to accommodate the slight change in solution formulations. Up to 50% ACTICIDE® MBL based on the weight of concentrate may be added to concentrates so long as the final use-dilution product contains not more than 500 ppm active isothiazolones (a dilution of 100x).</p> <p>NOTE: To insure uniform mixing, add ACTICIDE® MBL microbiocide to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.</p> <p><i>[*Not a use registered by California]</i></p>	
<p><b>PRESERVATIVE FOR BUILDING MATERIALS:</b></p> <p>ACTICIDE® MBL microbiocide is recommended as an in-container preservative for the control of microorganisms in building materials such as mastics, caulks, joint cements, spackles and grouts, and concrete admixtures.</p>	<p><b>0.05% - 0.5%</b></p> <p>Add 0.05 - 0.5 lbs per 100 lbs formulated product</p>
<p><b>PRESERVATIVE FOR ADHESIVES AND TACKIFIERS:</b></p> <p>ACTICIDE® MBL microbiocide is recommended as a preservative for the control of microorganisms in water soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene and acrylic latices. ACTICIDE® MBL microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.</p>	<p><b>0.05% - 0.5%</b></p> <p>Add 0.05 - 0.5 lbs per 100 lbs formulated product.</p>
<p><b>PRESERVATIVE FOR DISPERSED PIGMENTS (MINERAL SLURRIES):</b></p> <p>ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in the manufacture and storage of dispersed pigments such as [*]refractory coatings, ceramic glazes, kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr used in paint and paper products.</p> <p><i>[*Not a use registered by California]</i></p>	<p><b>0.05% - 0.5%</b></p> <p>Add 0.05 - 0.5 lbs per 100 lbs formulated product.</p>

# ACTICIDE® MBL

## INFORMATION SHEET



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### DIRECTIONS FOR USE

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<b>[*]REFRACTORY COATINGS:</b> ACTICIDE® MBL microbiocide should be added to the refractory coating concentrate at a level of 0.5% to 1.0% on a total weight basis (0.5 to 1.0 lbs ACTICIDE® MBL per 100 lbs concentrate). The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required. <i>[*Not a use registered by California]</i>	<b>0.5% to 1.0%</b> Add 0.5 - 1.0 lbs per 100 lbs formulated product
<b>[*]WET STATE PRESERVATIVE:</b> ACTICIDE® MBL is recommended as an in-container preservative for the control of microorganisms in aqueous products such as aqueous emulsions and dispersions including stabilized oil/water emulsions, surface preparation compounds and foam control products, <i>[*Not a use registered by California]</i>	<b>0.05% - 1.0%</b> Add 0.05 - 1.0 lbs per 100 lbs formulated product.
<b>[*]PRESERVATIVE FOR OIL-IN-WATER EMULSIONS:</b> ACTICIDE® MBL is recommended for use in spin-finish solutions used in the textile industry and photographic emulsions. <i>[* Not a use registered by California]</i>	<b>0.05% - 0.5%</b> Add 0.05 - 0.5 lbs per 100 lbs emulsion.
<b>[*]PRESERVATIVE FOR METAL WORKING FLUIDS:</b> ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in aqueous metal working fluid solutions and emulsions. A higher dosage rate and/or increased frequency of treatment may be required depending upon the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the use dilution of the metal working fluid using a metering pump and uniformly dispersed throughout the system. <i>[*Not a use registered by California]</i>	<b>For non-fouled system:</b> <b>Use 0.2 %</b> Add 0.2 lbs per 100 lbs of fluid every 4 weeks. <b>Noticeably fouled system:</b> <b>Initial dose of 0.5%-1.0%</b> Add 0.5 to 1.0 lbs per 100 lbs of fluid followed by subsequent maintenance dosage above.

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<b>INDUSTRIAL WASTE-WATER AND WASH-WATER SYSTEMS:</b> ACTICIDE® MBL microbiocide is recommended for the control of microorganisms. It should be added to the tower basin or some other point to ensure uniform mixing. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.	<b>0.02% - 0.04%</b> Add 0.02 – 0.04 lbs per 100 gallons weekly or as needed for maintenance <b>For noticeably fouled systems use an initial dose up to 0.12 lbs</b> per 100 gallons. Repeat if necessary to achieve control.
<b>HOUSEHOLD CONSUMER PRODUCTS:</b> For the control of microorganisms in liquid and solid soaps, liquid and solid cleaners, liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes, liquid and solid fabric treatment/refreshers products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners. May also be used for the control of microorganisms in package utility products including pre-moistened sponges and mops in uses cited above. <b>APPLICATIONS IN WIPES</b> ACTICIDE® MBL is recommended for the control of microorganisms in solutions that are then put into/onto wet wipes for use in residential and household uses cited above. This product is not for use in treating/preserving solutions that will be incorporated into personal care wipes, baby wipes, or food contact wipes.	<b>0.05% - 0.4%</b> Add 0.05 to 0.4 lbs per 100 lbs product
<b>INDUSTRIAL / INSTITUTIONAL / JANITORIAL PRODUCTS:</b> For the control of microorganisms in liquid and solid soaps, liquid and solid cleaners, liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes, liquid and solid fabric treatment/refreshers products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners. May also be used for the control of microorganisms in package utility products including pre-moistened sponges and mops in uses cited above. <b>APPLICATIONS IN WIPES</b> ACTICIDE® MBL is recommended for the control of microorganisms in solutions that are then put into/onto wet wipes for use in industrial and	<b>0.05% - 0.4%</b> Add 0.05 to 0.4 lbs per 100 lbs of product



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commercial uses cited above. This product is not for use in treating/preserving solutions that will be incorporated into personal care wipes, baby wipes, or food contact wipes.	
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### **CONCENTRATES FOR USE IN INDUSTRIAL / INSTITUTIONAL / JANITORIAL USE:**

ACTICIDE® MBL microbicide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.05% to 0.4% ACTICIDE® MBL microbicide